

P1	SIGNAL	DIRECTION	LOCATION
PIN 101	GND	←	C15
102	GND	←	C15
103	+12V	←	C14
104	+12V	←	C14
105	+12V	←	C14
106	+12V	←	C14
107	-12V	←	C14
108	-12V	←	C14
109		NU	
110			
111			
112		NU	
113	+5V	←	C15
114	+5V	←	C15
115	MST	←	A19
116		NU	
117	MACK	←	A19
118	RD	←	D40
119	YPI	←	NU
120	SLB	←	A38
121	PTD	←	NU
122	MDIS	←	B19
123	AB08	←	C38
124	AB09	←	C38
125	AB10	←	A24
126	AB11	←	A24
127	GND	←	C15
128	GND	←	C15
129	AB12	←	B24
130	AB13	←	B24
131	AB14	←	A24
132	AB15	←	A38
133		NU	
134		NU	
135	STOP	←	NU
136	SACK	←	A82
137		NU	
138		NU	
139	DB00	←	D79
140	DB01	←	D79
141	DB02	←	C79
142	DB03	←	C79
PIN 143	+5V	←	C15

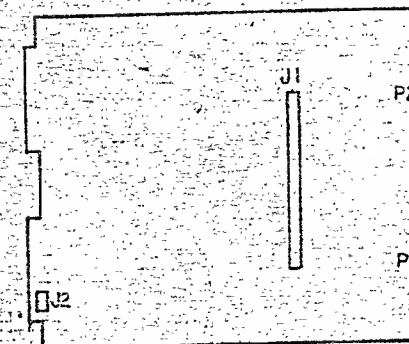
P1	SIGNAL	DIRECTION	LOCATION
PIN 144	+5V	←	C15
145	DB04	←	D75
146	DB05	←	D76
147	DB06	←	C76
148	DB07	←	C76
149	DB08	←	NU
150	DB09	←	
151	DB10	←	
152	DB11	←	
153	DB12	←	
154	DB13	←	
155	DB14	←	
156	DB15	←	
157	EXEC	←	
158	IN	←	NU
159	GND	←	C15
160	GND	←	C15
161	DOCL	←	NU
162	OUT	←	NU
163	CLK	←	C22
164	SR	←	NU
165	TUR	←	C19
166	ILI	←	B82
167	TAR	←	NU
168	IL2	←	NU
169	RST	←	A85
170	TUA	←	NU
171	PLSE	←	B85
172	ECHO	←	NU
173	+5V	←	C15
174	+5V	←	C15
175	AB03	←	A40
176	AB04	←	A40
177	AB05	←	B40
178	AB06	←	B40
179	AB07	←	B40
180	AB08	←	D20
181	AB01	←	C40
182	AB02	←	C40
183	PRIN	←	D22
184	PR0T	←	D22
185	GND	←	C15
PIN 186	GND	←	C15

P2	SIGNAL	DIRECTION	LOCATION
PIN 201	GND	←	B15
202	GND	←	B15
203	+12V	←	NU
204	+12V	←	
205	+12V	←	
206	+12V	←	NU
207	+12V	←	NU
208	+12V	←	NU
209	DPIN	←	D22
210	DP0T	←	A22
211	EBSEL	←	NU
212		←	NU
213	+5V	←	B15
214	+5V	←	B15
215	MST	←	NU
216		←	NU
217	MACK	←	B27
218	RD	←	NU
219	FCLK	←	
220	SLB	←	
221	PF0	←	NU
222	MDIS	←	B35
223	AB08	←	NU
224	AB09	←	
225	AB10	←	
226	AB11	←	NU
227	GND	←	B15
228	GND	←	B15
229	AB12	←	NU
230	AB13	←	
231	AB14	←	
232	AB15	←	NU
233	AB16	←	B86
234	AB17	←	B86
235	STOP	←	NU
236	SACK	←	NU
237	MBIN	←	C18
238	MB0T	←	C19
239	DB00	←	C79
240	DB01	←	C79
241	DB02	←	B79
242	DB03	←	B79
PIN 243	+5V	←	B15

P2	SIGNAL	DIRECTION	LOCATION
PIN 244	+5V	←	B15
245	DB04	←	C77
246	DB05	←	C77
247	DB06	←	C77
248	DB07	←	B77
249	DB08	←	B79
250	DB09	←	B79
251	DB10	←	B79
252	DB11	←	A79
253	DB12	←	B76
254	DB13	←	B76
255	DB14	←	B76
256	DB15	←	A76
257	EXEC	←	NU
258	IN	←	NU
259	GND	←	B15
260	GND	←	B15
261	DOCL	←	NU
262	OUT	←	
263	CLK	←	
264	SR	←	
265	TUR	←	
266	ILI	←	NU
267	TAR	←	A85
268	IL2	←	NU
269	RST	←	
270	TUA	←	
271	PLSE	←	
272	ECHO	←	NU
273	+5V	←	B15
274	+5V	←	B15
275	AB03	←	NU
276	AB04	←	NU
277	AB05	←	NU
278	AB06	←	C56
279	AB07	←	B56
280	AB08	←	NU
281	AB01	←	C48
282	AB02	←	C48
283	PRIN	←	D22
284	PR0T	←	D22
285	GND	←	B15
PIN 286	GND	←	B15

J2	SIGNAL	DIRECTION	LOCATION
PIN 1	NU		
2	NU		
3	LO	←	A36
4	HI	←	A36
5	INTER	←	C24
6	ADD	←	C24
7	E.LOW	←	B24
8	E.HIGH	←	B24
9	GND	←	C23
10	GND	←	B23
11	GND	←	B23
12	GND	←	C23
13	NU		
14			
15			
PIN 16	NU		

REV	DESCRIPTION	DR	CH	DATE	APPROVAL
1	13539	EJ	10/1	7/1	
11	CHANGED PER EN 3872	BC	1	7/1	
12	CHANGED PER EN 3900	BC	1	7/1	
13	REDUCTION KIL PER EN 4049	BC	1	7/1	
14	INCORPORATE EN 4078				
15	INCORPORATE EN 4270				
16	INCORPORATE EN 4385				
17	INCORPORATE EN 4537				
18	INCORPORATE EN 4645	RG	1	7/1	
19	INCORPORATE EN 5143	RG	1	7/1	
20	INCORPORATE EN 5245	RG	1	7/1	
21	INCORPORATE EN 6258 H	CA	AD	5/1/7	
22	INCORPORATE EN 6294 H	CA	AD	5/1/7	
23	INCORPORATE EN 6466 H	CA	AD	5/1/7	



TABULATION BLOCK	DASH NO.	DESCRIPTION
-04	4K X 16	
-14	4K X 16 PARITY	
-08	8K X 16	
-18	8K X 16 PARITY	
-24	4K X DMA PARITY	
-28	8K X DMA PARITY	

UNUSED GATES/IC			
REF. DEG.	IC TYPE	UNUSED PINS	
		IN	OUT
20	74H20	1,2,4,5	6
20	7404	5	6
6	74500	1,2	3
108	849	9,10	8
108	849	12,13	11
42	74504	1	2
17	7438	9,10	8

NOTES: UNLESS OTHERWISE SPECIFIED

1. TOLERANCES
 .005 ±.01 ANGULAR
 .005 ±.010 ±.01

2. BREAK ALL SHARP EDGES
 .010 APPROX.

3. ALL DIM. IN INCHES

4. NEXT ASSEMBLY

COMPUTER AUTOMATION INC.

LOGIC DIAGRAM, MEMORY

SIZE: 10X10

D: 75-53641-XX

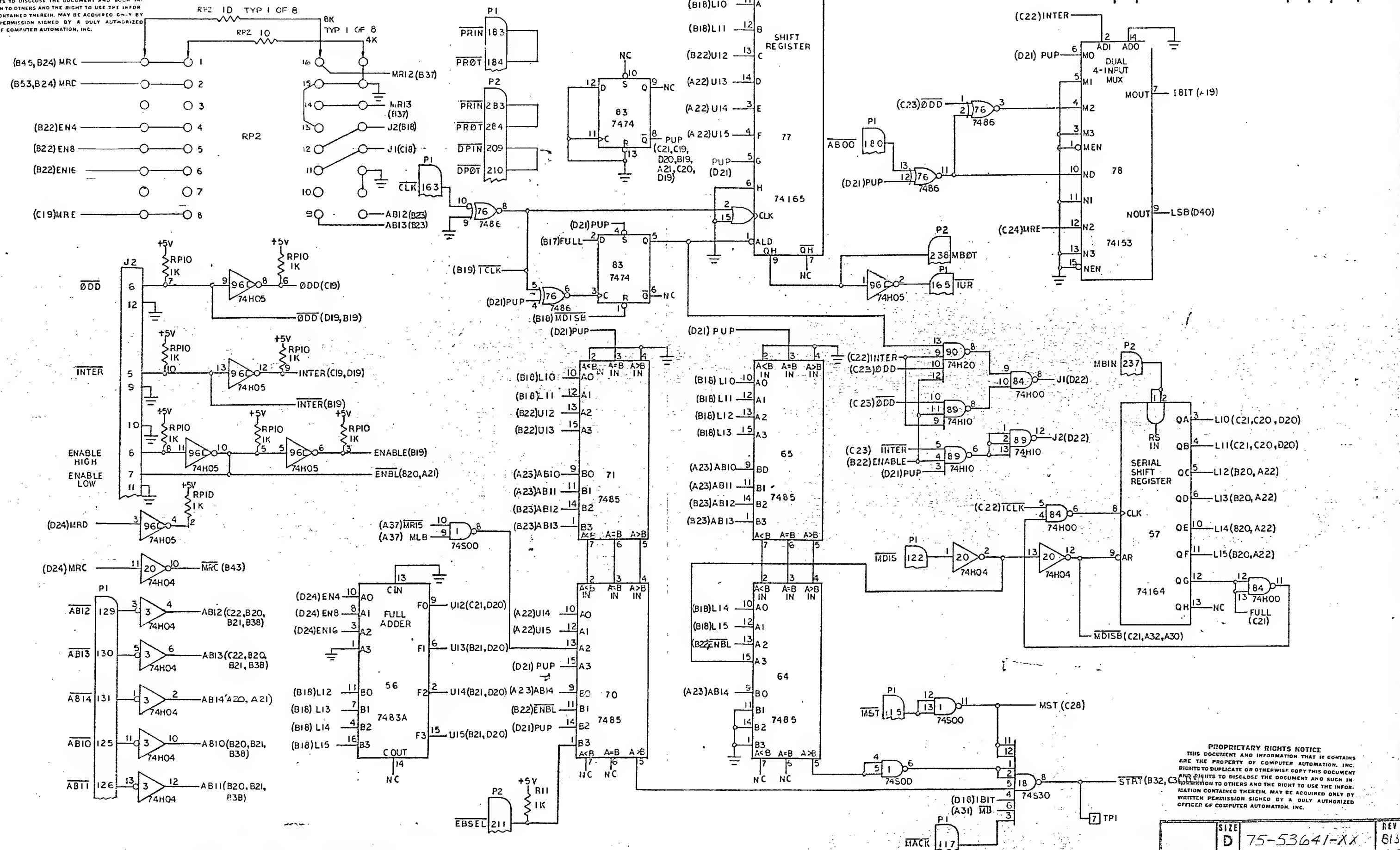
SCALE: NONE

REV: 1

NOTES: UNLESS OTHERWISE SPECIFIED

12. -04, -14, -24, C64-B1 NOT USED R40-57, 12Ω.
 -08, -18, -28, C64-B1, 2700PF, 10%, 20V, 140-57, 10Ω.
11. EP11-12, 19, ARE 75 ± 2%, 1/8W
10. ALL RESISTOR PACKS ARE ± 5%, 1/8W
9. ALL 0.8UF CAPACITORS ARE ± 20%, 20V
8. ALL 0.22UF CAPACITORS ARE ± 10%, 20V
7. ALL 0.22UF CAPACITORS ARE ± 20%, 20V
6. ALL CAPACITOR VALUES ARE IN UF
5. ALL DIODES ARE IN 4998
4. ALL RESISTOR VALUES ARE IN OHMS, ± 5%, 1/4W
3. SIGNALS MARKED ← ARE OUTGOING
2. SIGNALS MARKED → ARE INCOMING
1. FOR LOGIC LEARNING NO. SEE TABULATION PAGE.

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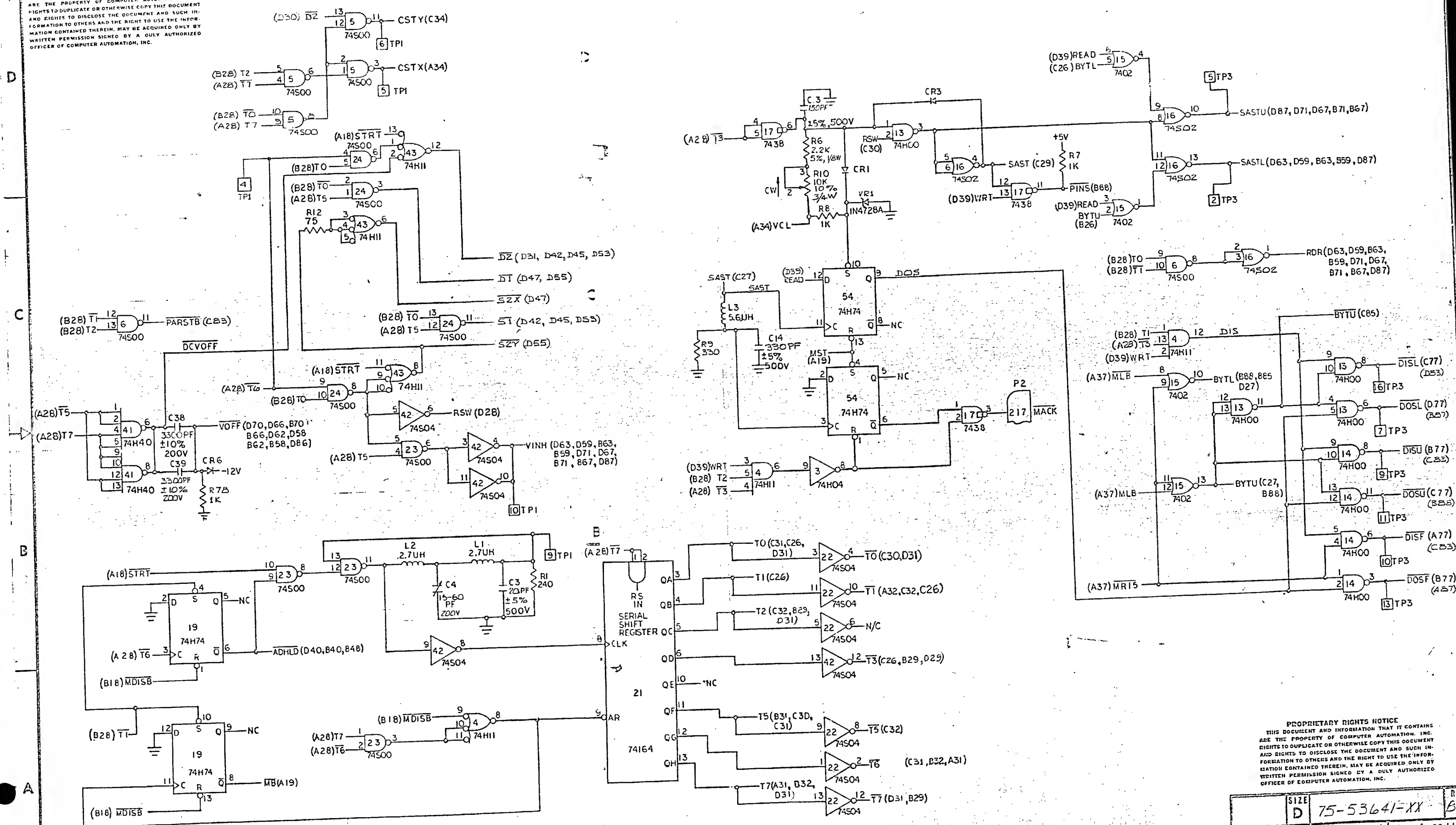


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SIZE	D	75-53641-XX	REV	813
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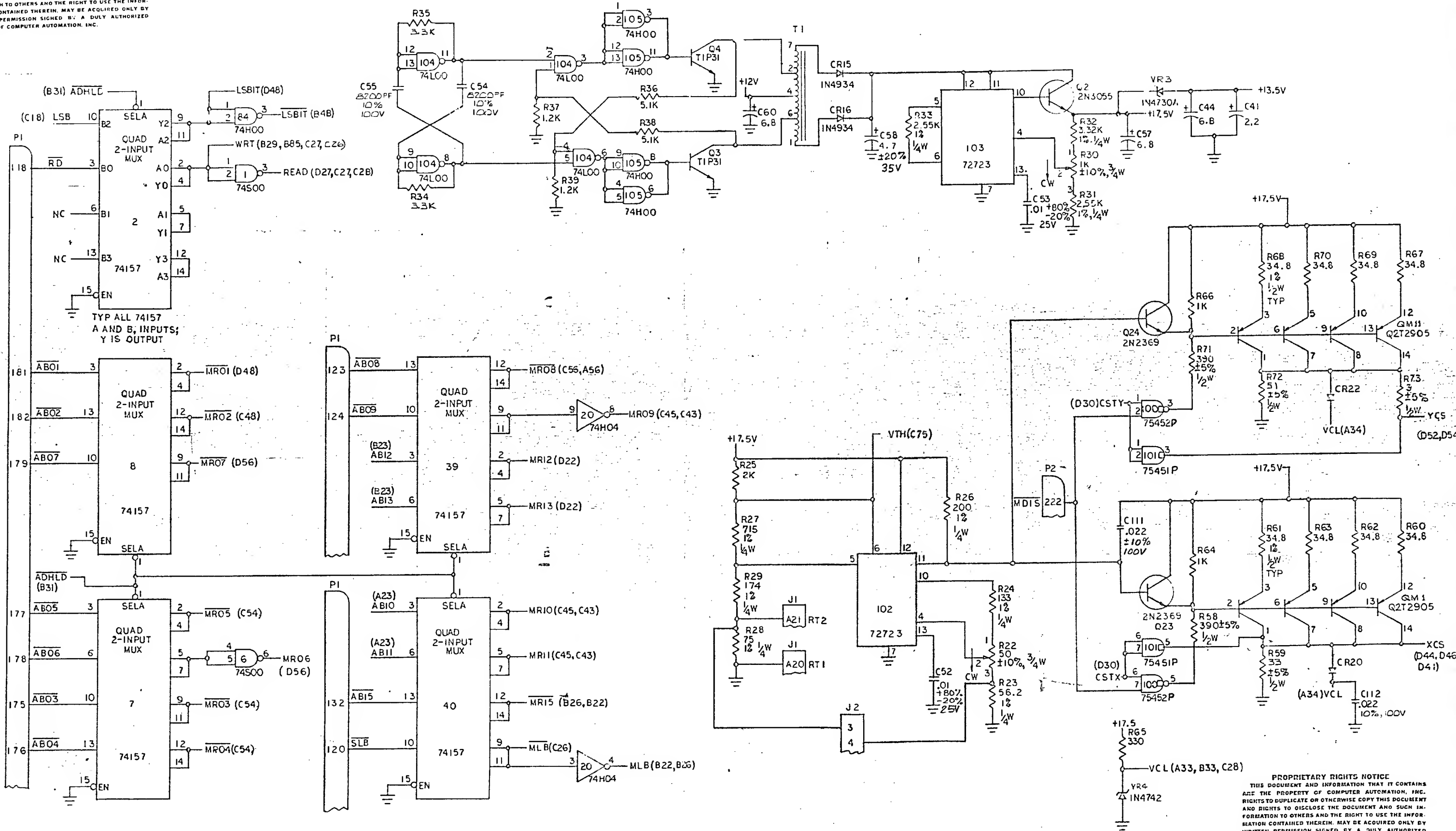
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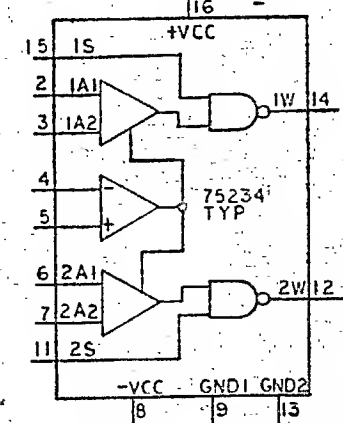
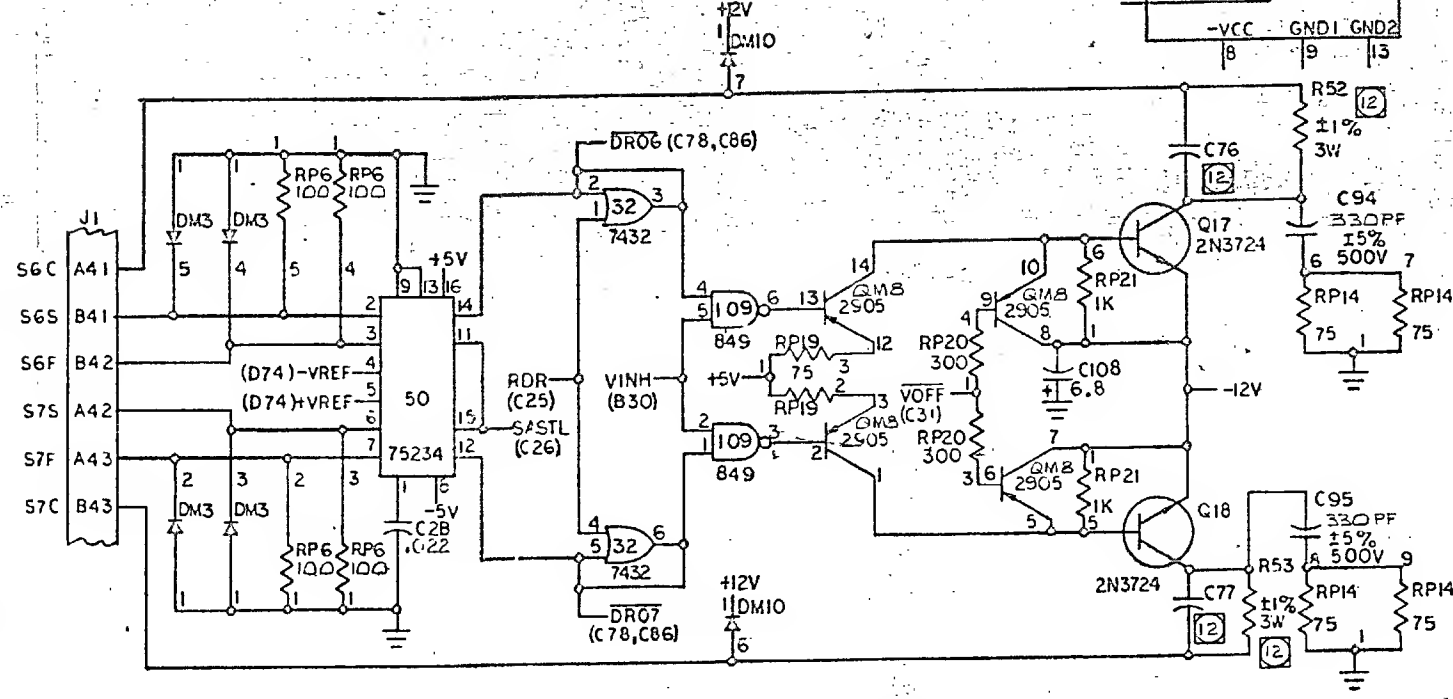
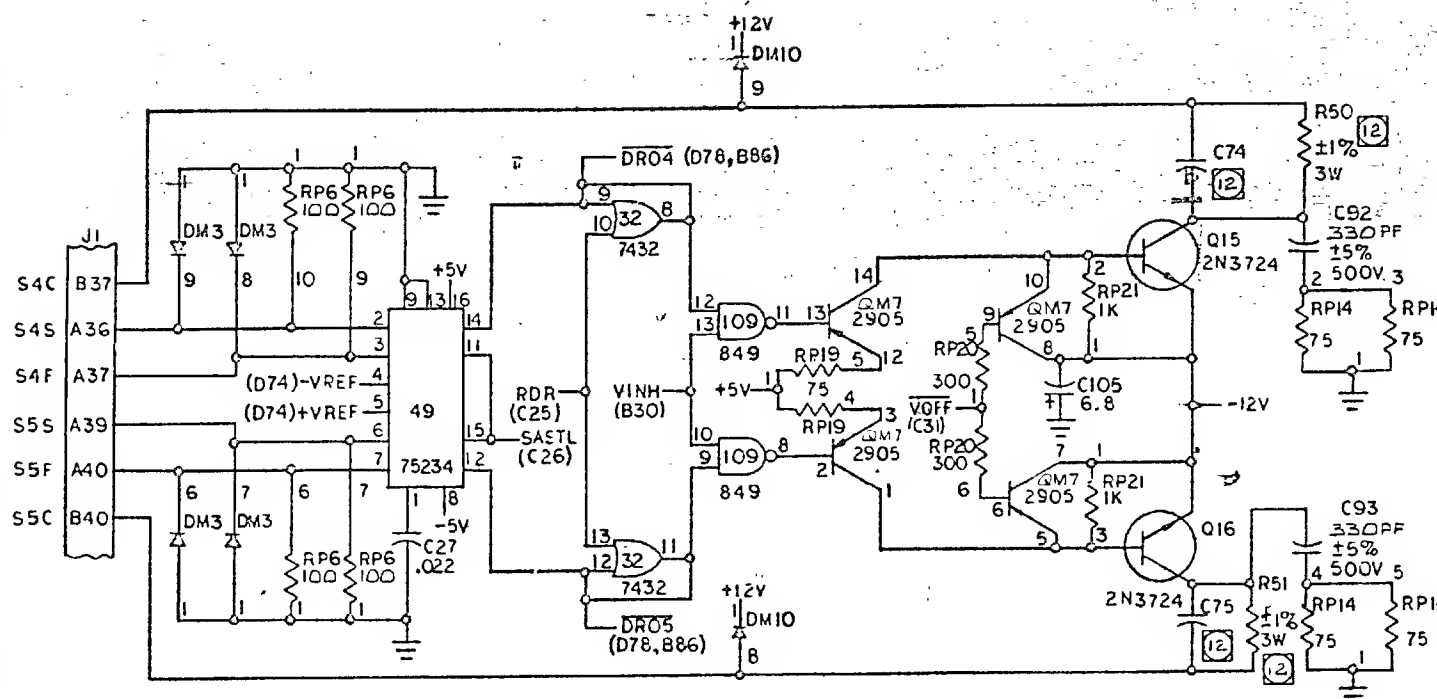
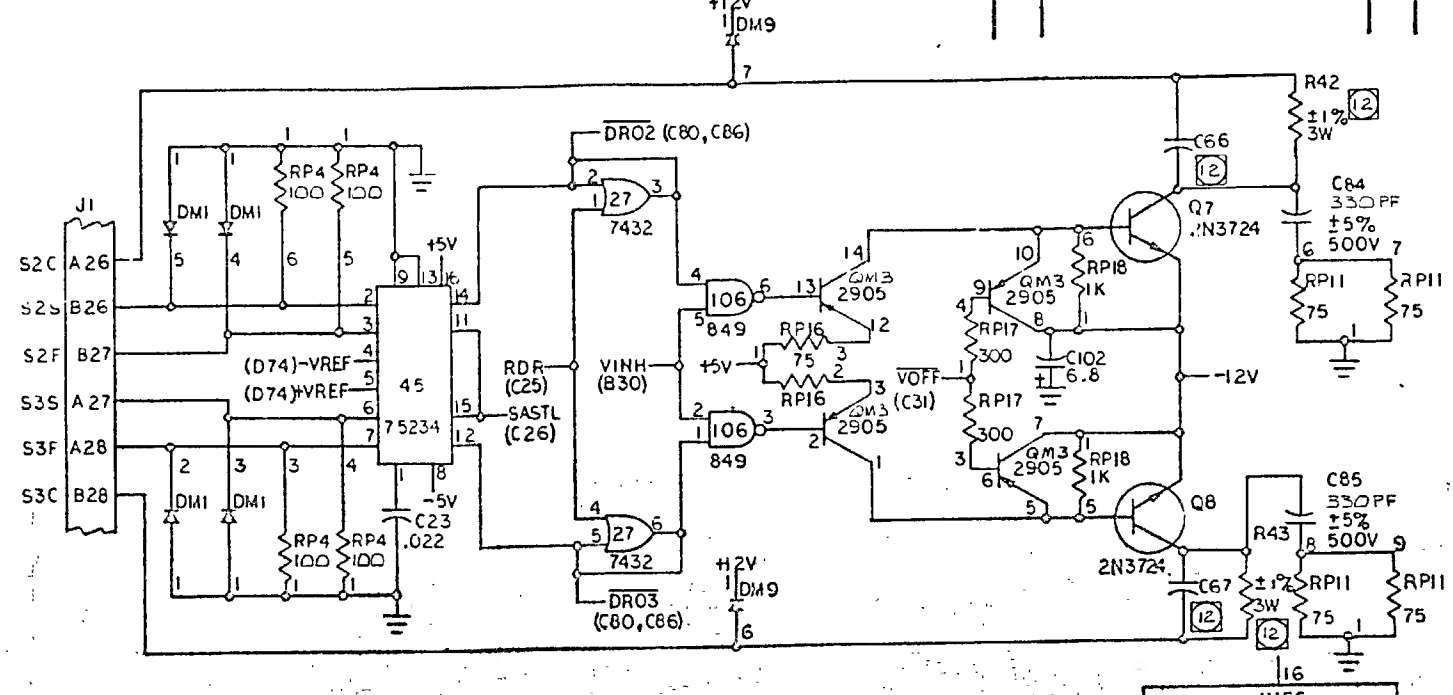
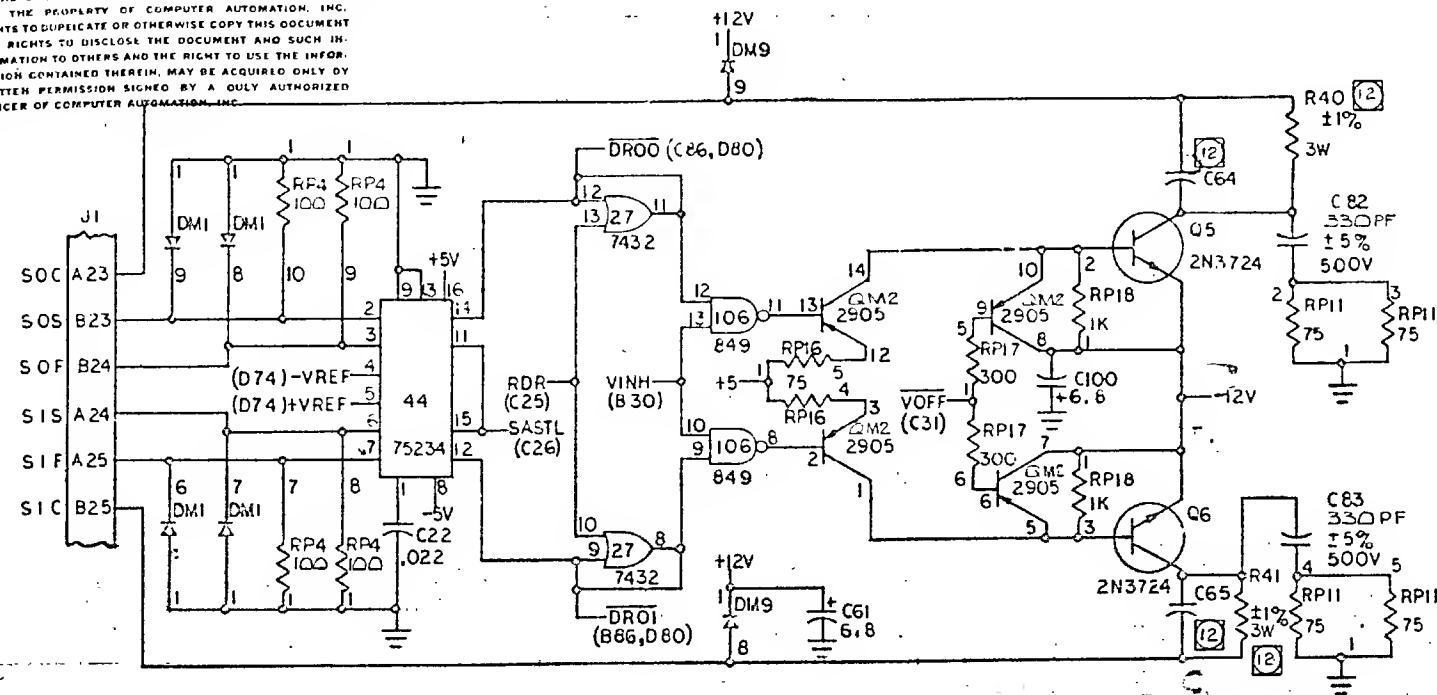
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SIZE	75-53641-XX	REV	B13
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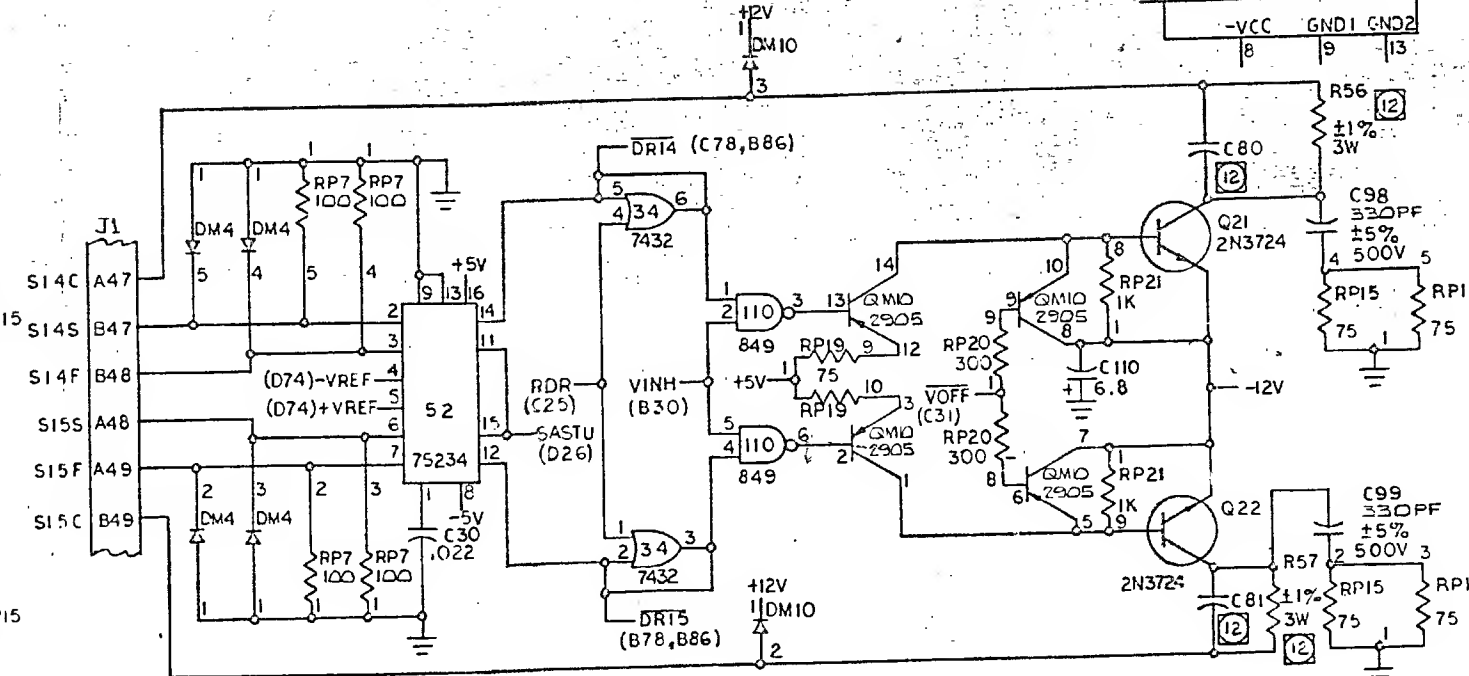
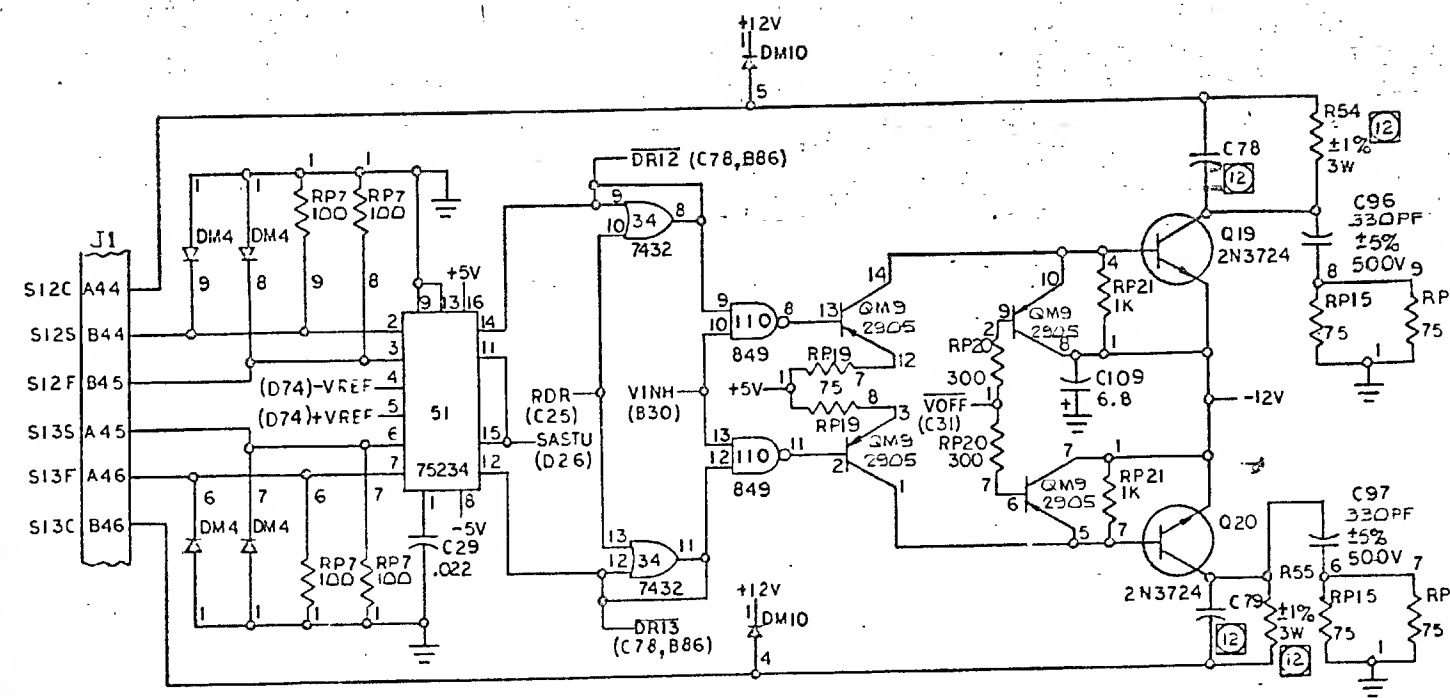
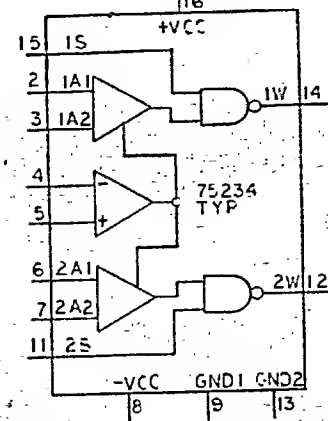
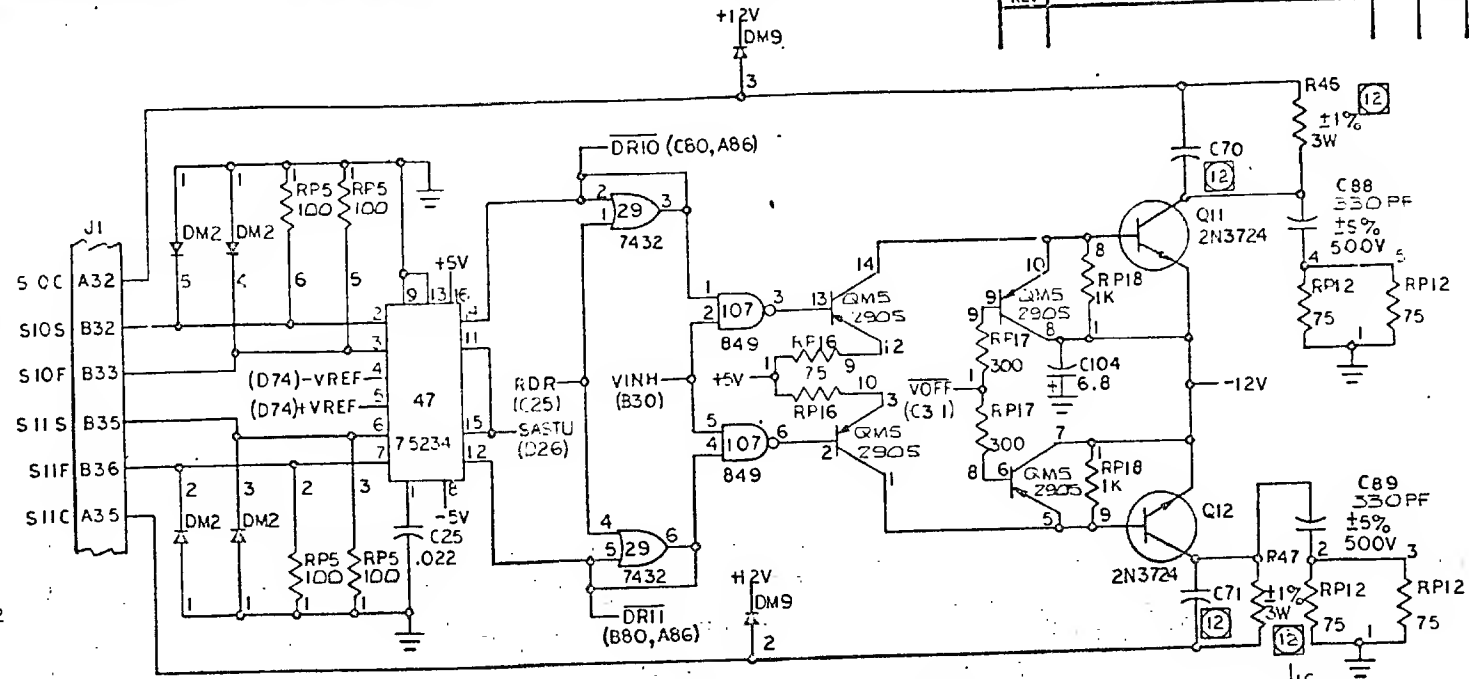
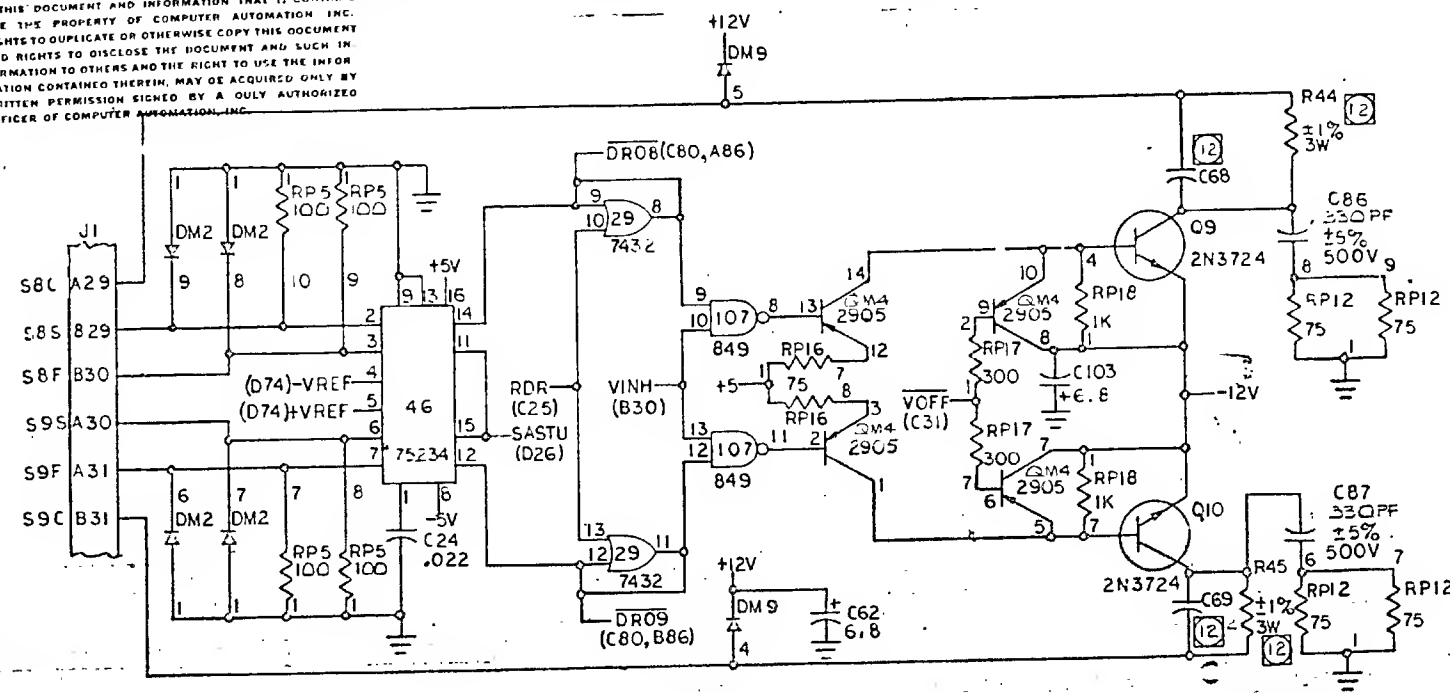
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SIZE	D	75-53641-XX	REV	613
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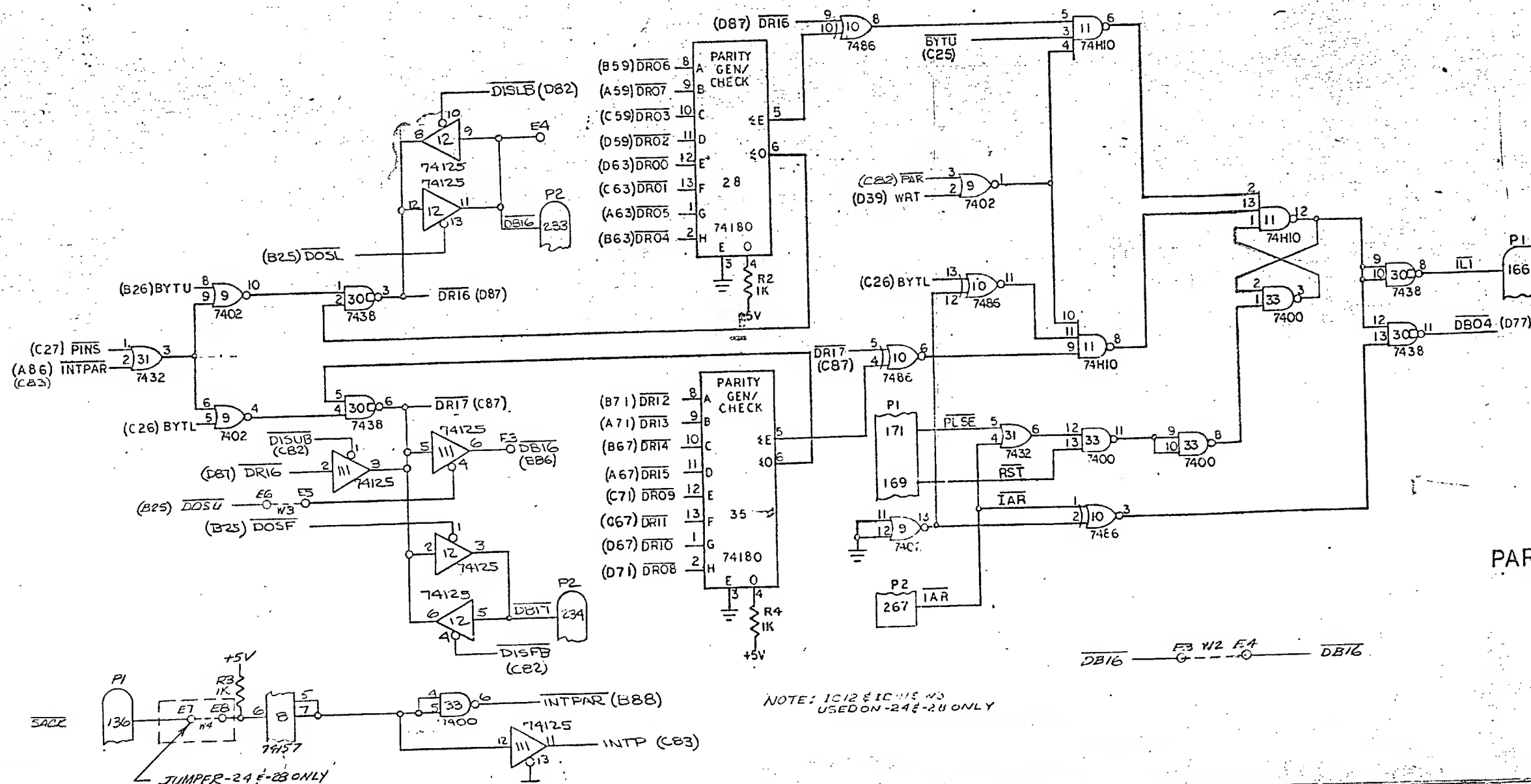
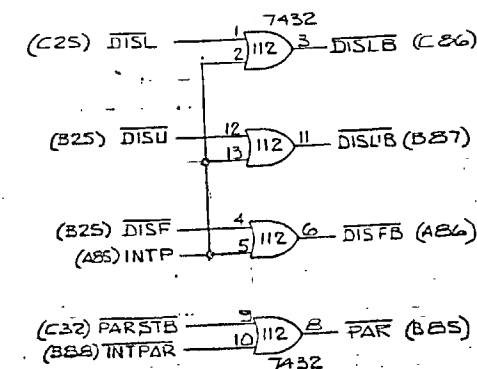
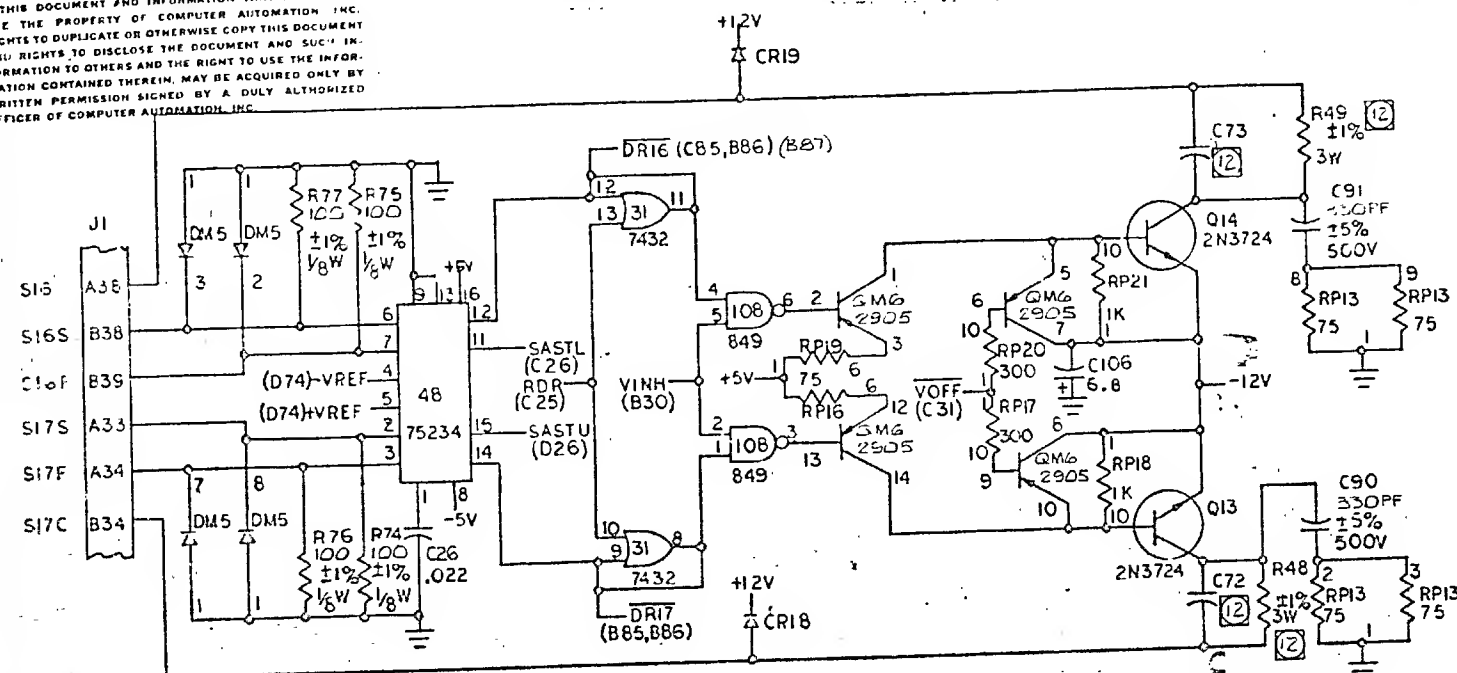
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SIZE	REV
D	75-53641-XX B13
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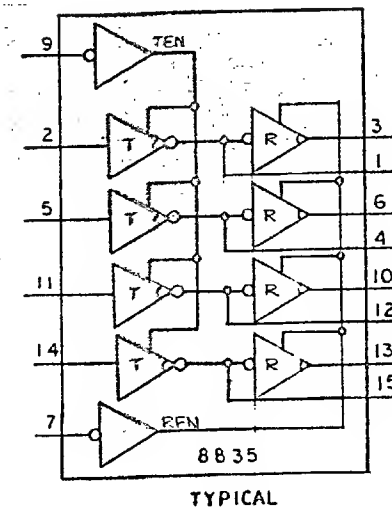
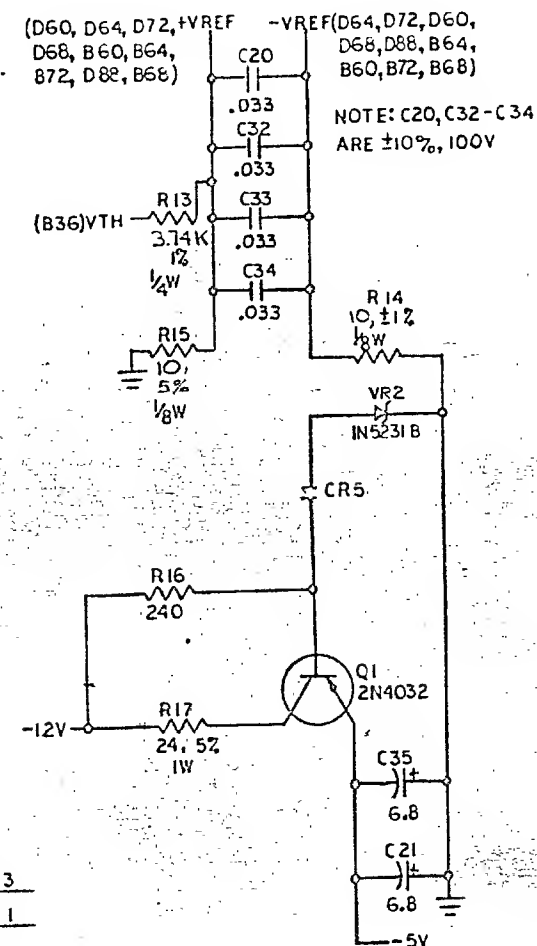
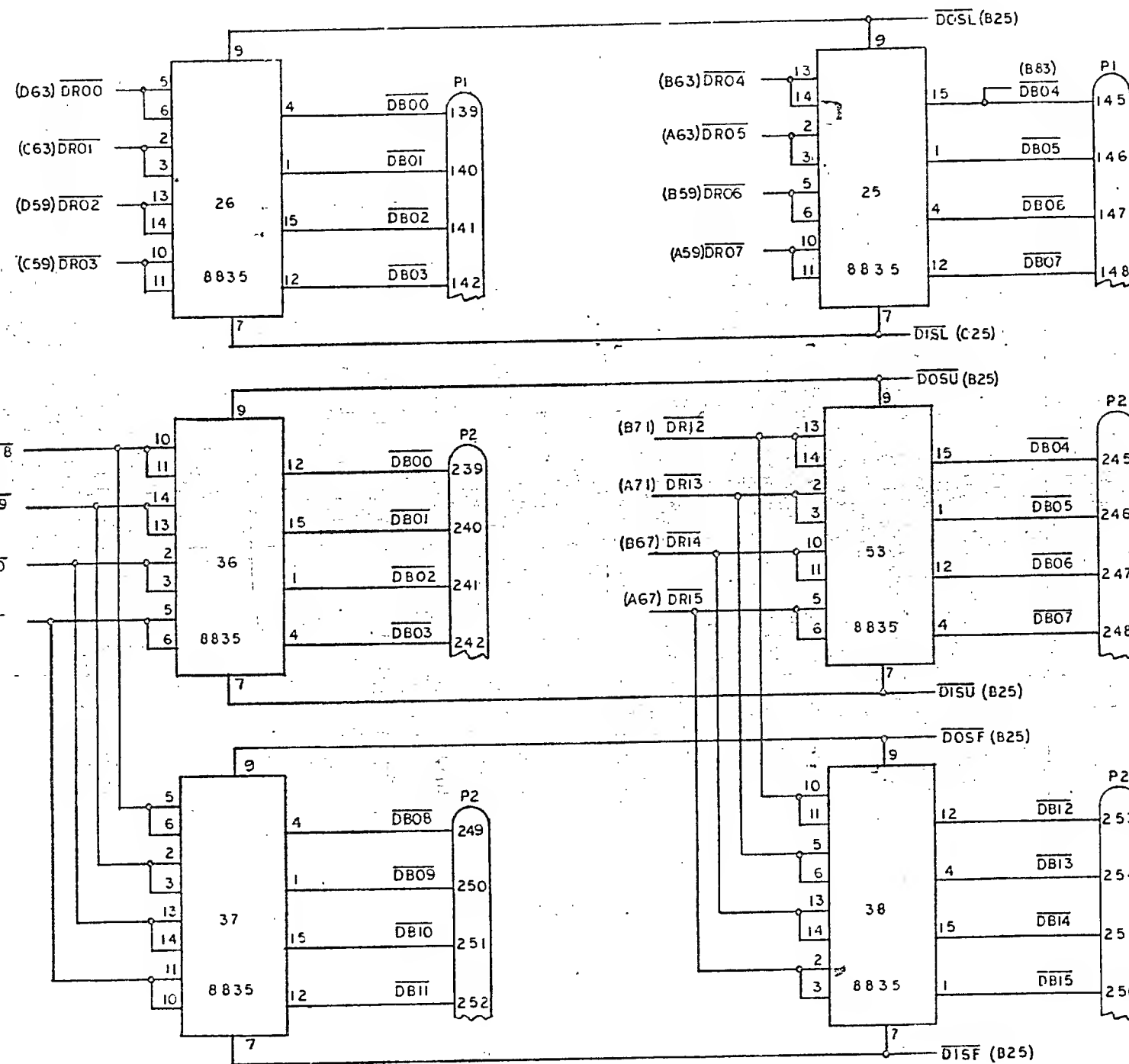
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SIZE	75-53641-XX	REV	B1
SCALE	1:1	SHT.	10 OF 11